

Title (en)

LASER MACHINE AND MAINTENANCE METHOD FOR LASER MACHINE

Title (de)

LASERMASCHINE UND WARTUNGSVERFAHREN FÜR LASERMASCHINE

Title (fr)

MACHINE LASER ET PROCÉDÉ DE MAINTENANCE DESTINÉ À UNE MACHINE LASER

Publication

**EP 3964325 A1 20220309 (EN)**

Application

**EP 19939000 A 20190719**

Priority

JP 2019028558 W 20190719

Abstract (en)

A laser working machine includes a first slot provided at another end portion of a first body. In the first slot, a first shielding plate and a first light transmissive plate are selectively insertable in a sealed manner. The first shielding plate is for shielding a first optical path. The first light transmissive plate has a first optical path hole through which the first optical path and a second optical path are connectable to each other. The laser working machine includes a second slot provided at a second body end portion of a second body. In the second slot, a second shielding plate and a second light transmissive plate are selectively insertable in a sealed manner. The second shielding plate is for shielding the second optical path. The second light transmissive plate has a second optical path hole through which the first optical path and the second optical path are connectable to each other.

IPC 8 full level

**B23K 26/70** (2014.01)

CPC (source: EP US)

**B23K 7/10** (2013.01 - US); **B23K 26/064** (2015.10 - US); **B23K 26/128** (2013.01 - EP US); **B23K 26/702** (2015.10 - EP US); **G02B 17/06** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3964325 A1 20220309**; **EP 3964325 A4 20220518**; **EP 3964325 B1 20230503**; CN 113727806 A 20211130; CN 113727806 B 20220909; JP 6661063 B1 20200311; JP WO2021014516 A1 20210913; US 2022134482 A1 20220505; WO 2021014516 A1 20210128

DOCDB simple family (application)

**EP 19939000 A 20190719**; CN 201980095402 A 20190719; JP 2019028558 W 20190719; JP 2019560778 A 20190719; US 202217577332 A 20220117